

BALDOR® • RELIANCE

Product Information Packet

EFM4314T

60HP,1780RPM,3PH,60HZ,364T,A36062M,TEFC

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	A36062M	Elec. Spec:	A36WG0261	CD Diagram:	416820-002
Enclosure:	TEFC	Mfg Plant:		Mech. Spec:		Layout:	611740-001-SH1
Frame:	364T	Mounting:	F2	Poles:	04	Created Date:	04-19-2013
Base:		Rotation:	R	Insulation:	F	Eff. Date:	09-26-2016
Leads:	3#4,6#6					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP2383L

CAT.NO.	EFM4314T		SPEC NO.	A36-3393-0261	
HP	60	AMPS	136/68	VOLTS	230/460
FRAME	364T	RPM	1780	HZ	60
DRIVE END BEARING	65BC03J30X		PHASE	3	DUTY
OPP D.E. BEARING	65BC03J30X		TYPE	P	ENCL
SER.NO.			POWER FACTOR	87	CODE
	SUIT FOR 208V @ 149 AMPS			MAX CORR KVAR	10
NEMA NOM/CSA QUOTED EFF					
				MOTOR WEIGHT	901

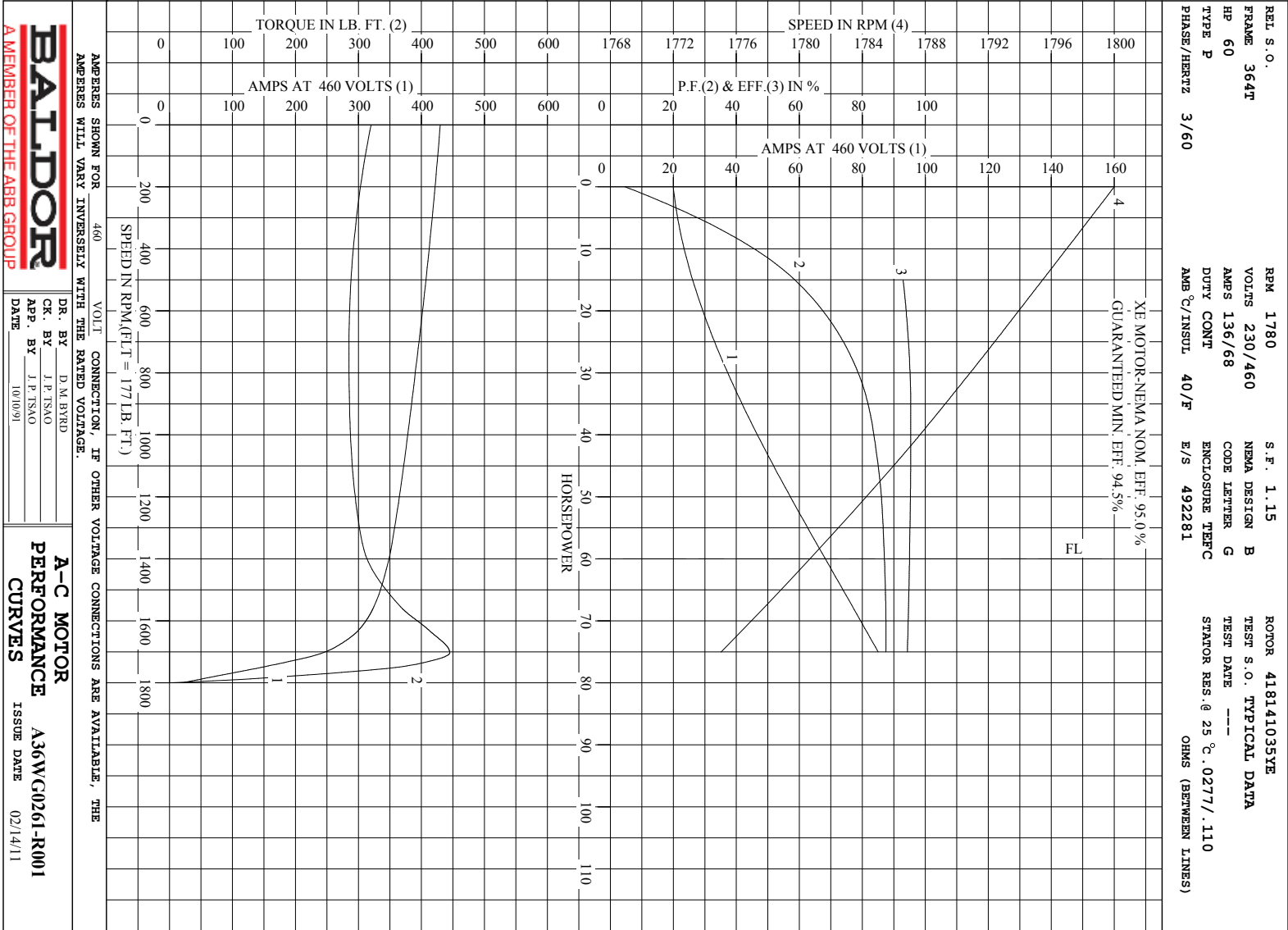
Nameplate NP2496L

MOBIL POLYREX EM

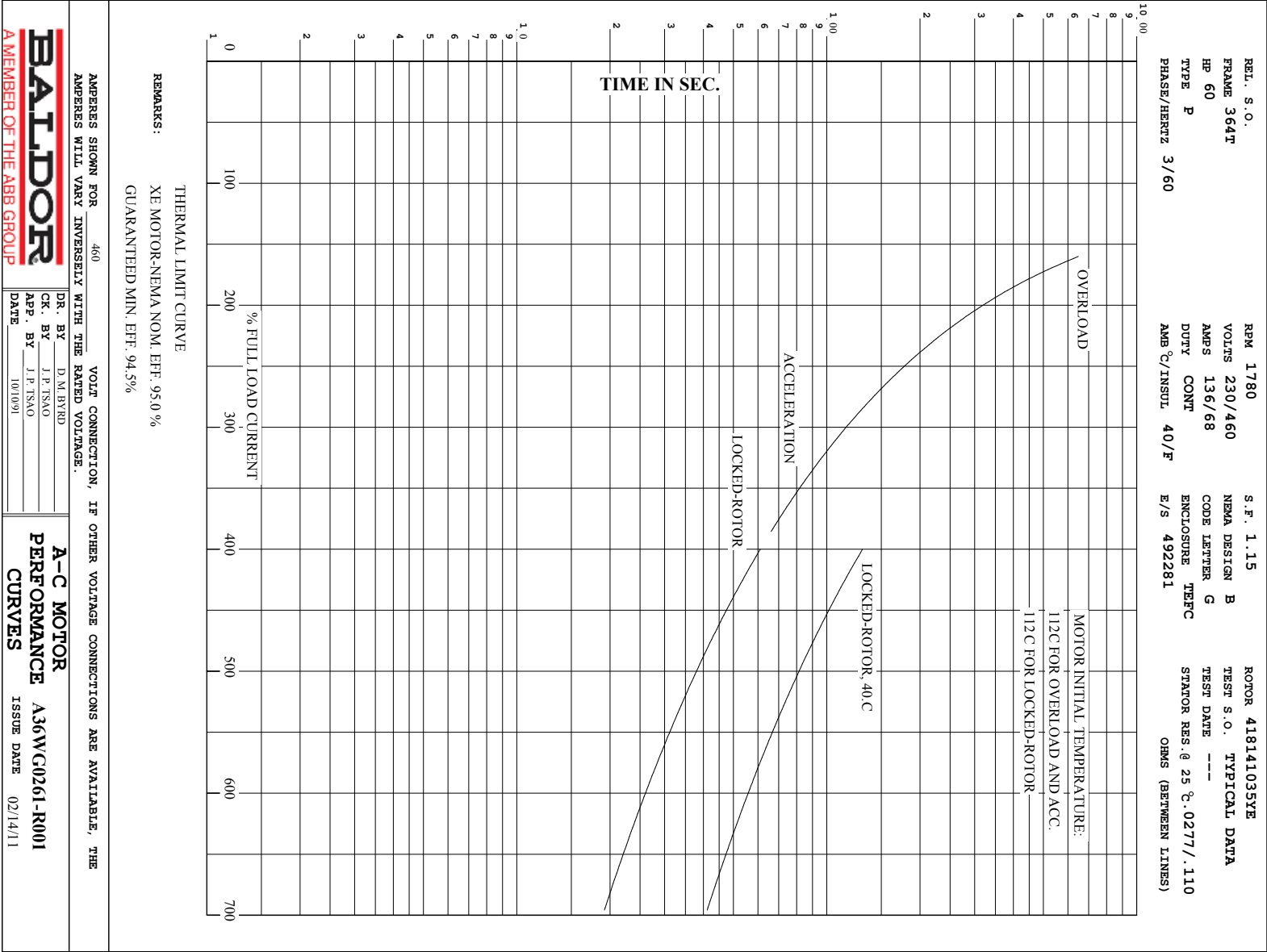
Parts List		
Part Number	Description	Quantity
SA261831	SA A36-3393-0261	1.000 EA
RA248569	RA A36-3393-0261	1.000 EA
000613006PU	N/P (RELEASE QTY 10,000) UL CSA LABLE	1.000 EA
000692000VD	LABEL WARNING	1.000 EA
NP2383L	SUPER-E ,SS, CC, CSA-C US, CSA EEV	1.000 EA
421948032	LABEL, MYLAR	1.000 EA
004824015A	GREASE POLYREX EM	0.544 LB
032018008AK	HHCS 1/4-20X1 PLATED	4.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA
034180012DA	KEY 1X4X1/4X1-1/2 L	1.000 EA
034530052AB	P/NIP 1/8X6-1/2 GALV.	1.000 EA
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
085922073B	BRKT 360 085922072WCC KB	1.000 EA
078548001K	FAN KB 100/30 (70) 360	1.000 EA
078559001A	+FANCV - 360	1.000 EA
410700004F	WSHR	1.000 EA
415072001B	CLAMP	1.000 EA
415096002A	CPLG 1/8 HEX TYPE	1.000 EA
032018012DK	HHCS 1/2-13X1-1/2 PLTD.	4.000 EA
032018024CK	HHCS 3/8-16X3 PLTD.	3.000 EA

Parts List (continued)		
Part Number	Description	Quantity
034600001AA	BUSH 1/4TO1/8 BLACK	1.000 EA
034690001AB	SQHDPLG, COND	1.000 EA
035000001G	GREASE RELIEF FITTING, ALEMITE 317400	1.000 EA
032018005AK	HHCS 1/4-20X5/8 PLATED	4.000 EA
032018008CK	HHCS 3/8-16X1L PLATED	4.000 EA
033512004LB	HHTTS 1/4-20X1/2 PLTD.	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
035000001A	ALFTG 1/8" 1610-BL	1.000 EA
043292000AJ	GASK 320-400	1.000 EA
077176000L	C/BOX, PAINTED 360-400	1.000 EA
077176001A	CBOXC, PAINTED 360-400	1.000 EA
402731001A	GASK 360-440	1.000 EA
406099000A	PLUG - FAN COVER 320-440	1.000 EA
415000103D	T/LUG #4AWG-1/0AWG W/HOLE FOR .250 BOLT	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
418150003A	GREASE FITTING CAP	1.000 EA
MG1000Y03	MUNSELL 2.53Y 6.70/ 4.60, GLOSS 20,	0.250 GA
033775004EA	DRSCR #6-1/4 304 S.S.	2.000 EA
034180034HA	KEY 5/8X5/8X4-1/4 L	1.000 EA
14PA1000	PACKAGING 314 GROUP COMBINED PRINT	1.000 EA
NP2496L	MOTOR LUBE NAMEPLATE	1.000 EA

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611740-001-SH1

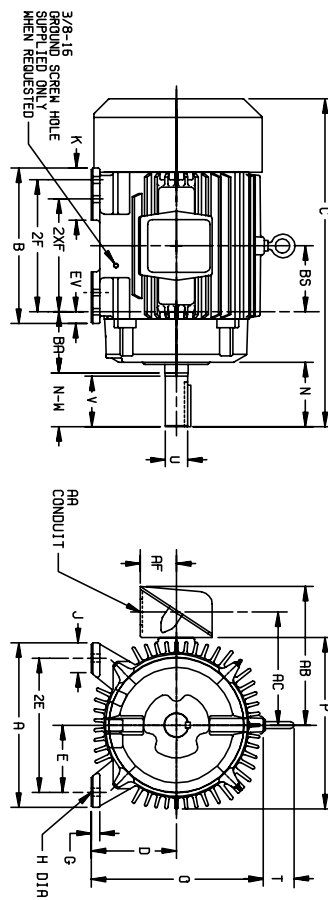
DUTY MASTER ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION

ENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES 250T THRU 440T



DIMENSIONS ARE IN INCHES. SEE SHEET 2 FOR DIMENSIONS IN MILLIMETERS

FRAME SIZE	A	D(2)	E	G	H	J	K	O	P	T	AA	AB	AC	AD	AE	BA	EV
254T-256T	12.50	6.25	5.00	7.5	5.6	2.50	---	13.25	13.25	2.44	1-1/4	10.75	8.75	2.50	4.25	1.00	---
284T-286T	13.75	7.00	5.50	---	7.5	5.6	2.50	---	14.75	14.88	2.44	1-1/2	12.75	10.00	3.19	4.75	1.00
324T-326T	15.50	8.00	6.25	8.8	6.8	2.75	4.50	16.69	17.00	2.44	2	15.19	11.44	4.25	5.25	1.38	---
364T-365T	17.00	9.00	7.00	8.8	6.9	2.75	3.88	18.50	19.50	2.94	3	18.06	14.00	5.38	5.88	1.38	---
404T-405T	19.00	10.00	8.00	11.2	8.1	3.25	4.62	21.31	22.50	2.94	3	19.31	15.25	5.38	6.62	1.13	---
444T-445T	21.00	11.00	9.00	11.2	8.1	3.25	5.25	23.38	25.25	3.25	3	23.38	18.12	6.50	7.50	1.25	---

FRAME SIZE	C	BS	B	2F	(4)	N	N-W(6)	U(3)	V	SQ	LGTH	WEIGHT
254T	24.56	5.00	12.00	---	8.25	4.12	4.00	1.625	3.75	3.75	2.88	305
284T	24.56	5.00	12.00	10.00	---	4.12	4.00	1.625	3.75	3.75	2.88	315
324T	27.44	5.50	13.00	---	9.50	5.00	4.62	1.875	4.38	4.38	3.25	435
364T	28.06	5.50	13.00	---	9.50	5.00	4.62	1.875	4.38	4.38	3.25	455
404T	27.44	5.50	13.00	11.00	---	5.00	4.62	1.875	4.38	4.38	3.25	450
444T	28.06	5.50	13.00	11.00	---	5.00	4.62	1.875	4.38	4.38	3.25	450
254T	26.04	6.00	14.75	---	10.50	5.62	5.25	2.125	5.00	5.00	2.00	540
284T	26.04	6.00	14.75	---	10.50	5.62	5.25	2.125	5.00	5.00	2.00	540
324T	28.94	6.00	14.75	12.00	---	4.12	3.75	1.875	3.50	3.50	2.00	580
364T	28.94	6.00	14.75	12.00	---	4.12	3.75	1.875	3.50	3.50	2.00	580
404T	30.44	6.00	15.00	---	11.25	6.25	5.88	2.375	5.62	5.62	4.25	800
444T	30.44	6.00	15.00	---	11.25	6.25	5.88	2.375	5.62	5.62	4.25	800
364T	31.51	6.12	15.00	12.25	---	4.12	3.75	1.875	3.50	3.50	2.00	794
364T	31.51	6.12	15.00	12.25	---	4.12	3.75	1.875	3.50	3.50	2.00	794
364T	33.44	6.12	15.00	---	11.25	6.25	5.88	2.375	5.62	5.62	4.25	840
404T	35.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.00	5.62	1120
404T	35.31	6.88	16.00	---	12.25	7.50	7.25	2.875	7.00	7.00	5.62	1120
405T	35.31	6.88	16.00	13.75	---	4.50	4.25	2.125	4.00	4.00	2.75	1160
405T	35.31	6.88	16.00	13.75	---	4.50	4.25	2.125	4.00	4.00	2.75	1160
444T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.25	6.88	1540
444T	44.62	8.25	19.00	---	14.50	8.94	8.50	3.375	8.25	8.25	6.88	1540
445T	44.62	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.25	6.88	1750
445T	44.62	8.25	19.00	16.50	---	8.94	8.50	3.375	8.25	8.25	6.88	1750

(1)

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
 (2) "D" VARIES — 250T — 320T + .00, — .03.
 — 360T — 440T + .00, — .06.
 (3) "U" VARIES — UP TO 1.625 DIA. + .0000, — .0005.
 — 1.625 AND LARGER + .000, — .001.
 (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
 (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
 (6) "N-W" VARIES + .00, — .25.

FRAME— TYPE— CERTIFIED FOR—
 ORDER— ITEM— HP— RPM— PH— HZ— VOLTS—
 RELIANCE SALES ORDER— APPROVED BY— DATE—

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TITLE SHEET 2

REV. LTR: B

VERSION: 02

TDR: 000000498266

FILE: \RAG\00000\167

REVISED: 07:05:46 04/29/2009

MTL: —

BY: RAGEC

Baldor • Dodge • Reliance

DIM SHEET 250T THRU 440T

SH 1 of 1

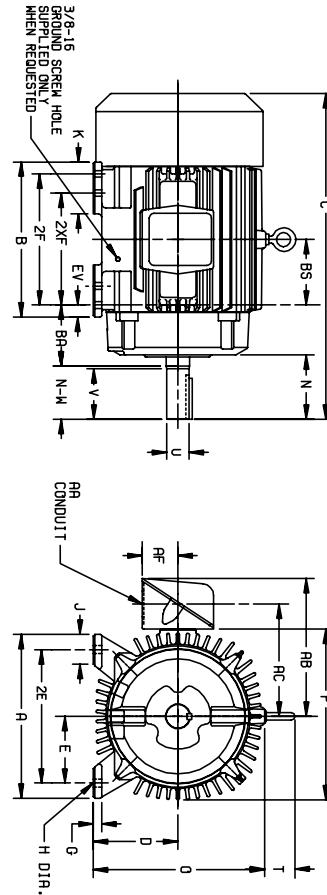
611740-001-SH1

611740-001-SH2

DUTY MASTER ALTERNATING CURRENT MOTORS
SQUIRREL-CAGE INDUCTIONENCLOSURE: TOTALLY ENCLOSED
MOUNTING: FOOT

COOLING: FAN COOLED

FRAMES 250T THRU 440T



DIMENSIONS ARE IN MILLIMETERS; SEE SHEET 1 FOR DIMENSIONS IN INCHES

FRAME	A	D/2	E	G	H	J	K	O	P	T	AA/D	AB	AC	AF	BA	EV
254T-256T	317.5	158.8	127.0	19.0	14.2	63.5	--	336.5	336.5	62.0	-1/4	273.0	222.3	63.5	108.0	25.4
264T-266T	349.2	177.8	139.7	19.0	14.2	63.5	--	374.6	376.0	62.0	-1/2	323.8	254.0	81.0	120.7	25.4
324T-326TS	393.7	203.2	158.8	22.4	17.5	69.9	114.3	423.9	431.8	62.0	2	385.8	290.6	108.0	133.3	35.1
364T-365TS	431.8	228.6	177.8	22.4	17.5	69.9	98.6	469.9	492.3	74.7	3	456.7	355.6	136.7	149.4	35.1
404T-405TS	482.6	254.0	203.2	28.4	20.6	82.5	117.3	541.3	571.5	74.7	3	490.5	387.3	136.7	168.1	28.7
444T-445TS	533.4	279.4	228.6	28.4	20.6	82.5	133.3	593.9	641.3	82.5	3	593.9	460.2	165.1	190.5	31.7

(1)	FRAME	C	BS	B	ZF	(4)	N	N-W(6)	U(3)	V	SC	LGTH.	WEIGHT KGS. (5)
	254T	623.8	127.0	304.8	---	209.6	104.6	41.27	95.3	9.52	73.2	138	
	264T	623.8	127.0	304.8	254.0	---	104.6	101.6	41.27	95.3	9.52	73.2	142
	284T	697.0	139.7	330.2	---	241.3	127.0	117.3	47.63	11.3	12.70	82.5	197
	284TS	661.9	139.7	330.2	---	241.3	91.9	82.5	41.27	76.2	9.52	47.8	197
	286T	697.0	139.7	330.2	279.4	---	127.0	117.3	47.63	11.3	12.70	82.5	204
	286TS	661.9	139.7	330.2	279.4	---	91.9	82.5	41.27	76.2	9.52	47.8	204
	324T	773.2	152.4	374.6	---	266.7	142.7	133.3	53.97	12.70	12.70	98.6	244
	324TS	735.1	152.4	374.6	---	266.7	104.6	95.3	47.63	88.9	12.70	50.8	263
	326T	773.2	152.4	374.6	304.8	---	142.7	133.3	53.97	12.70	12.70	98.6	263
	326TS	735.1	152.4	374.6	304.8	---	104.6	95.3	47.63	88.9	12.70	50.8	263
	364T	849.4	155.4	381.0	---	285.7	158.8	149.4	60.33	14.27	15.88	108.0	362
	364TS	795.3	155.4	381.0	---	285.7	104.6	95.3	47.63	88.9	12.70	50.8	360
	365T	849.4	155.4	381.0	---	285.7	158.8	149.4	60.33	14.27	15.88	108.0	362
	365TS	795.3	155.4	381.0	---	285.7	104.6	95.3	47.63	88.9	12.70	50.8	360
	404T	973.1	174.8	406.4	---	311.1	190.5	184.1	73.02	17.78	19.05	142.7	508
	404TS	896.9	174.8	406.4	---	311.1	114.3	108.0	53.97	101.6	12.70	69.9	503
	405T	973.1	174.8	406.4	349.2	---	190.5	184.1	73.02	17.78	19.05	142.7	526
	405TS	896.9	174.8	406.4	349.2	---	114.3	108.0	53.97	101.6	12.70	69.9	522
	444T	1133.3	209.6	482.6	---	368.3	227.1	215.9	85.72	20.96	22.22	174.8	698
	444TS	1038.4	209.6	482.6	---	368.3	131.8	120.7	60.33	114.3	15.88	76.2	691
	445T	1133.3	209.6	482.6	419.1	---	227.1	215.9	85.72	20.96	22.22	174.8	784
	445TS	1038.4	209.6	482.6	419.1	---	131.8	120.7	60.33	114.3	15.88	76.2	777

- (1) SPECIAL DIMENSIONS APPLYING TO THIS ORDER ON THIS LINE.
 (2) "D" VARIES — 250T - 320T +0, -8.
 360T - 440T +0, -1.5.
 UP TO 41.27 DIA. +0.00, -0.13
 (3) "U" VARIES — 41.27 AND LARGER +0.0, -0.3
 (4) ALL FRAMES HAVE EIGHT MOUNTING HOLES FOR DUAL MOUNTING.
 (5) MOTOR WEIGHTS MAY VARY BY 15% DEPENDING UPON RATING.
 (6) "N-W" VARIES +0, -6.4.
 (7) DIMENSIONS ARE IN INCHES.
- CONDUIT BOX LOCATED ON OPPOSITE SIDE WHEN F-2-W-1,
 W-4-W-5-W-7, OR C-1 MOUNTING IS SPECIFIED.
 IF MOUNTING CLEARANCE DETAILS ARE REQUIRED, CONSULT
 FACTORY.
 MAXIMUM PERMISSIBLE SHAFT RUNOUT WHEN MEASURED
 AT END OF STD. SHAFT EXTENSION IS .05 T.I.R. UP TO
 AND INCLUDING 41.27 DIA. AND .08 T.I.R. 41.27 DIA.
 TO 127.00 MILL. DIA.

FRAME — TYPE — CERTIFIED FOR —
 ORDER — ITEM — HP — RPM — PH — HZ — VOLTS —
 RELIANCE SALES ORDER — APPROVED BY — DATE —

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

REV. DESC: UPDATE TITLE

REV. LTR: B

VERSION: 02

TDR: 000000498266

FILE: \RAG\00000\168

REVISED: 14:03:30 04/28/2009

MTL: —

BY: RAGEC

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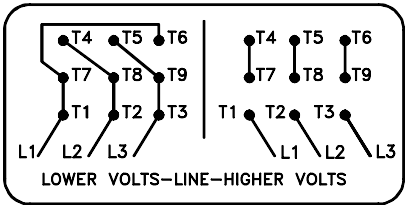
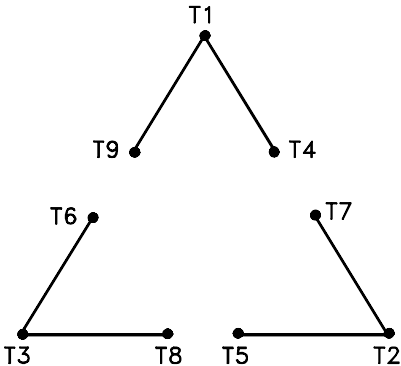
DIM SHEET 250T THRU 440T METRIC

SH 1 of 1

611740-001-SH2

416820-002

A-C MOTOR
CONNECTION DIAGRAM
STANDARD 9 LEAD DELTA-CONNECTED



(N.P. 1575-B)

416820-002

REV. DESC: LOADED TO BUS, C/R 335225			BALDOR	
REV. LTR: -	VERSION: 00	TDR: 000000538207		
FILE: \MGA\00000\661		REVISED: 10: 47: 51 04/30/2010	CONN DIAG - STANDARD 9 LEAD, DELTA-CONNECTED	
MTL: -		BY: RAGRA	SH 1 of 1	

Marketing maintained PDF of MN408:

<http://www.baldor.com/support/Literature/Load.ashx/MN408?ManNumber=MN408>

Marketing maintained PDF of MN416:

<http://www.baldor.com/support/Literature/Load.ashx/MN416?ManNumber=MN416>